

PROJECT DESCRIPTION

I. GENERAL

THIS PORTION OF THE PROJECT INVOLVES THE REMOVAL AND INSTALLATION OF NEW TRAFFIC SIGNAL HEADS AT THE INTERSECTION OF GREAT SENECA HIGHWAY AT KENTLANDS BOULEVARD/ORCHARD RIDGE DRIVE IN MONTGOMERY COUNTY, MARYLAND. GREAT SENECA HIGHWAY IS ASSUMED TO RUN IN A NORTH - SOUTH DIRECTION.

II. INTERSECTION OPERATION

SOUTHBOUND MD 119 IS TO BE MODIFIED FROM EXCLUSIVE/PERMISSIVE PHASING TO EXCLUSIVE LEFT TURN PHASING. THE SOUTHBOUND AND NORTHBOUND LEFT TURN MOVEMENTS WILL OPERATE CONCURRENTLY.

III. SPECIAL NOTES

1. ALL DISCONNECTING AND CONNECTING OF TRAFFIC SIGNAL INTERCONNECT CABLE SHALL BE THE RESPONSIBILITY OF THE MONTGOMERY COUNTY DP&T. CONTACT MR. ROBERT GONZALES AT (240) 777-8761 AT LEAST 72 HOURS PRIOR TO INITIATING ANY CONSTRUCTION WORK.

2. THE CONTACT PERSONS FOR DISTRICT #3 ARE AS FOLLOWS:

Mr. Randy Brown
Asst. District Engineer-Maintenance
Phone #(301) 513-7304

Mr. Joe Geckel
Asst. District Engineer-Utility
Phone #(301) 513-7350

Mr. Richard L. Daff, Sr.
Chief, Traffic Operations Division
Phone #(410) 787-7630

Mr. Lee Starkloff
Asst. District Engineer-Traffic
Phone # (301) 513-7318

A. EQUIPMENT LIST

EQUIPMENT TO BE FURNISHED BY ADMINISTRATION
QUANTITY -- None

B. EQUIPMENT LIST

EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

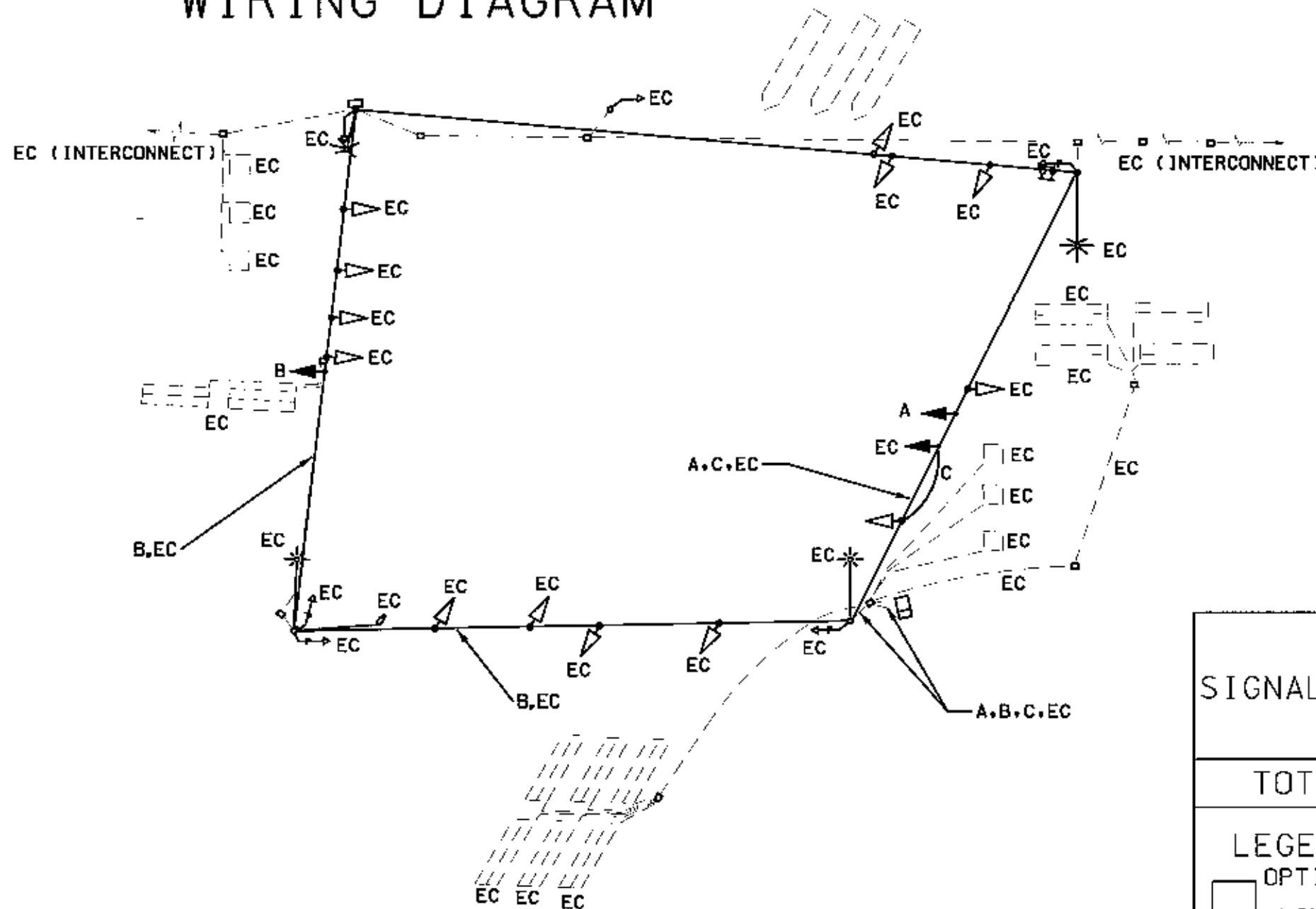
QUANTITY	UNITS	SPECIFICATION SECTION	DESCRIPTION
LS	LS	104	Maintenance of Traffic.
LS	LS	SP	Mobilization.
9	EA	814	Furnish and install 12in., 1-way vehicle signal head section - span-mount.
1	LS	LS	Remove existing equipment.
500	LF	814	Furnish and install 7 conductor (#14 AWG) electrical cable.
20	LF	814	Furnish and install 5 conductor (#14 AWG) electrical cable.
2	EA	800	Furnish and install overhead sign
1	EA	800	Furnish and install ground mounted sign
23	SF	800	Furnish sheet aluminum signs consisting of: 1 EA R3-5L (30"x36") 3 EA R3-4 (30"x36")

WIRING LEGEND

WIRING KEY
A,B - 7 CONDUCTOR ELECTRICAL CABLE (NO.14 AWG) FOR SIGNAL HEADS
C - 5 CONDUCTOR ELECTRICAL CABLE (NO.14 AWG) FOR SIGNAL HEADS

C. EQUIPMENT TO BE RETURNED TO THE ADMINISTRATION
ALL EQUIPMENT THAT IS REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

WIRING DIAGRAM



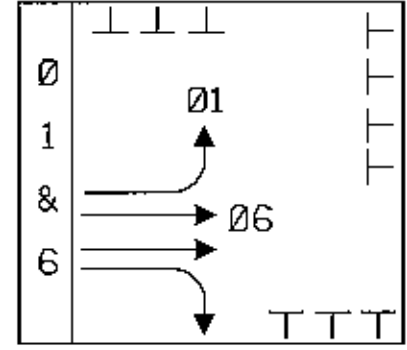
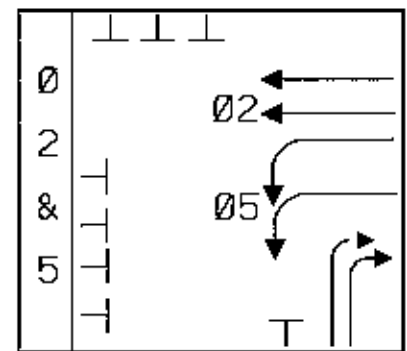
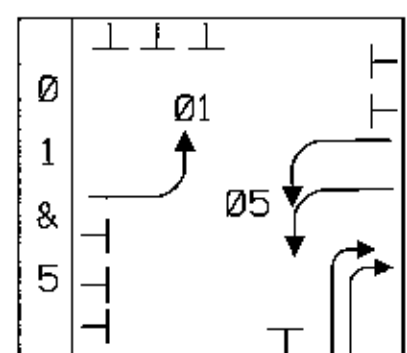
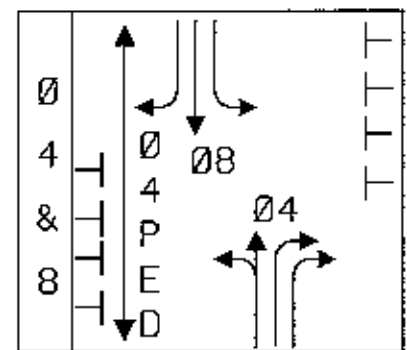
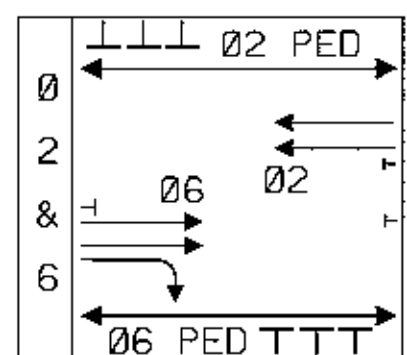
SEQUENCE OF OPERATION SHEET

GREAT SENECA HIGHWAY
RUNS IN A
NORTH-SOUTH
DIRECTION
INTERSECTION: GREAT SENECA HIGHWAY AND ORCHARD RIDGE DRIVE/KENTLANDS BLVD.

TRAFFIC OPERATIONS SECTION
DIVISION OF TRAFFIC ENGINEERING
MONTGOMERY COUNTY, MARYLAND

SIGNAL NO.	SIGNAL HEAD INDICATIONS			
	4,5,8,9,10,12,14,15,16	1,2,3,6,7	11,13	17-22
TOTAL	9	5	2	6
LEGEND	12" R Y G	12" R Y G	12" R Y G	12" R Y G
OPTICALLY LIMITED				
R-RED				
Y-YELLOW				
G-GREEN				
← ARROW				

PHASING



SIGNAL NO.	SEQUENCE OF OPERATION																			F A S H		
	INTERVAL																					
1	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	G	Y	R	R		
2	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	G	Y	R	R		
3	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	G	Y	R	R		
4	G	G	G	Y	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	Y		
5	G	G	G	Y	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	Y		
6	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	Y	R	R	R	R	Y		
7	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	Y	R	R	R	R	R		
8	G	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	Y		
9	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	Y		
10	R	R	R	R	R	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R		
11	R	R	R	R	R	G	G	G	Y	R	R/G	R/Y	R	R	R	R	R/G	R/Y	R	R		
12	R	R	R	R	R	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R		
13	R	R	R	R	R	G	G	G	Y	R	R/G	R/Y	R	R	R	R	R/G	R/Y	R	R		
14	R	R	R	R	R	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R		
15	R	R	R	R	R	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R		
16	R	R	R	R	R	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R		
17	WK	FL/DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	W	W	W	DW	DW	DW	—		
18	WK	FL/DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	W	W	W	—		
19	WK	FL/DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	W	W	W	—		
20	WK	FL/DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	W	W	W	DW	DW	DW	—		
21	DW	DW	DW	DW	DW	DW	WK	FL/DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	—		
22	DW	DW	DW	DW	DW	DW	WK	FL/DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	—		
PHASE	Ø 2 & 6				ALL RED		Ø 4 & 8				ALL RED		Ø 1 & 5			ALL RED		Ø 2 & 5			ALL RED	

WELLS & ASSOCIATES, LLC		REVISIONS		MARYLAND DOT - STATE HIGHWAY ADMINISTRATION Office of Traffic & Safety TRAFFIC ENGINEERING DESIGN DIVISION	
TRANSPORTATION, TRAFFIC, AND PARKING CONSULTANTS 1420 Spring Hill Rd., Suite 600 McLean, VA 22102 Phone: (703) 917-6620 Fax: (703) 917-0739 170 Jennifer Rd., Suite 260 Annapolis, MD 21401 Phone: (301) 970-2402 Fax: (410) 266-9189		01. 8/01 MODIFY SOUTH BOUND LEFT TURN TO EXCLUSIVE PHASING BW996MB2 02. 3/03 RELOCATE POLE IN NORTHEAST CORNER DUE TO GEOMETRIC IMPROVEMENTS. BW996MB2 03. 4/01 RELOCATE POLE IN SOUTHEAST CORNER DUE TO GEOMETRIC IMPROVEMENTS INCLUDING THE NEW ORCHARD RIDGE DRIVE APPROACH. E430			
		DRAWN BY: WT CHECKED BY: CT/LES SCALE: 1"=20' DATE: 9/17/03		F.A.P. NO. S.H.A. NO. COUNTY: MONTGOMERY LOG MILE: 1501902.45	
		TS NO. 4212C T.I.M.S. NO. F183		SHEET NO. 2 OF 2	